| C | In | dex | . 0 | f C | lai | m | s (| co | nti | nue | ed) | | | A | pplic | atio | n N | lo. | | | | | App | olica | nt(s |) | | |
|--|----------|------------|--------------|----------|-----------|--------------|--------|----------|-----------------|---------------------|--|------------|------------|--------|----------|--------------|--------------|----------|-----------------|-------|------------|-----------------|----------|----------|---------|---------------------|---------------|---|
| Rejected | | | | | | | | | | | | | | 09 | 9/91 | 6.02 | 28 | | | | | | НА | RDN | ΛAΝ | ET | AL. | |
| Rejected | | | | | | | | | | | | | | | | | | | | | | | | | | | T . | _ |
| Rejected | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A Appeal | | | | - | IAIAI | 11818 | | | | #J | | | | P | hung | j T | Ngι | ıyer | <u> </u> | | | | 263 | 32 | | | 1 | |
| Saim | | | √ | Re | ject | ted |] | | [-] | T) | hrou Ca | gh n | ume led | ral) | | N | No | on-E | lect | ted | | A | | Appe | eal | | | |
| The color of the | | | = | Al | low | ed | 1 | | ÷ | | | | | | | | Interference | | | ice | | 0 | Objected | | | | | |
| The color of the | | | | | | | ╛ | | Ш | | | | | | | | | | _ | | | | | | _ | | | |
| 151 + | Cla | im | Ξ, | | | Da | te | | | | Cla | aim | | | Da | te | | |] [| Cla | aim | L_, | | Da | ate | | |] |
| 151 + | rınaı | riginal | 1/30/02 | | | | | | | | Final | niginal | | | | | | | | Final | riginal | | | | | | | |
| 152 1 | | | | | \perp | Ļ | _ | | Ш | | | | | | | | | \perp |] | | | Ш | \perp | Ш | \perp | Ш | \perp | |
| 153 | _ | | + | \dashv | + | 4 | 4 | \vdash | \sqcup | _ | <u></u> | | | 4 | | | 4 | | ↓ ↓ | | | Ц | \perp | \sqcup | _ | $\sqcup \downarrow$ | | 4 |
| 154 | - | | \square | - | + | + | + | ├- | $\vdash \vdash$ | \dashv | <u> </u> | | | | _ | ╁ | | | 4 | | | $\vdash \vdash$ | | + | | + | + | 4 |
| 155 | - | | + | + | + | +- | +- | \vdash | \vdash | | <u> </u> | | | + | + | \vdash | \dashv | - | - | | | | | ++ | | 1 1 | + | - |
| 156 | - | | + | \dashv | + | + | + | ┢ | \vdash | \dashv | - | 204 | \dashv | + | + | +- | \dashv | \dashv | ┨ | | | H | | ┼-┼- | | ╁╌┼ | + | - |
| 157 | | | H | _ | + | + | + | H | | \dashv | | | | + | + | +- | \dashv | + | -{ } | | | | | +-+ | +- | ╁╌┼ | +- | ┨ |
| 158 | | | | \top | \top | \dagger | +- | T | П | ┪ | | | \top | ++ | \dashv | + | _ | _ | 1 1 | | | \vdash | + | \vdash | | | | ┪ |
| 160 210 260 261 261 261 261 261 262 262 262 262 262 263 263 263 263 263 263 264 264 264 264 265 265 265 265 265 266 266 267 267 267 268 268 268 269 270 270 271 271 272 272 273 273 274 2 | | | | | | \top | \top | | | \neg | | | | \top | | 1 | 寸 | \top | 1 1 | | | $ \cdot $ | 1 | \Box | 十 | 1 1 | | 1 |
| 161 211 261 262 262 262 263 263 263 263 263 264 264 264 265 265 265 266 266 266 266 267 267 268 268 269 270 271 267 271 271 272 272 273 273 274 2 | | | | | | | | | | | | | | | | \Box | | |] [| | | | | | | | |] |
| 162 212 262 163 213 263 164 214 264 165 215 265 166 216 266 167 217 267 168 218 269 169 219 269 170 221 271 221 271 271 221 272 273 173 224 274 | | | Ш | \perp | | \perp | | | | _ | | | \perp | | | \Box | | I |] [| | | | | | | | |] |
| 163 213 263 164 214 264 165 215 265 166 216 266 167 217 267 168 218 269 169 219 269 170 221 270 171 221 271 172 222 272 173 223 273 174 224 274 | | | \mathbb{H} | 4 | _ | +- | - | | | \dashv | | | 4 | - | \perp | 1 | \dashv | | ↓ ↓ | | | \sqcup | | - | _ | \sqcup | | 4 |
| 164 214 264 265 165 215 265 266 166 216 266 267 167 217 267 267 168 218 268 269 169 219 269 270 170 221 271 271 172 222 272 272 173 223 273 274 174 224 274 274 | _ | | H + | + | + | + | - | ┼ | | | | | - | + | + | + | \dashv | + | ┨ | | | \sqcup | \perp | ┼┼- | + | \vdash | | 4 |
| 165 215 265 166 216 266 167 217 267 168 218 268 169 219 269 170 220 270 171 221 271 172 222 272 173 223 273 174 224 274 | | | H | + | + | + | +- | ╁╾ | \vdash | \dashv | | | - | - | + | + | \dashv | + | ┨ | | | $\vdash \vdash$ | + | ╂-╂- | + | ┿ | | - |
| 166 216 266 167 217 267 168 218 268 169 219 269 170 220 270 171 221 271 172 222 272 173 223 273 174 224 274 | \dashv | | H | \dashv | + | + | + | | \vdash | - ' | | | + | + | | + | | + | ┨ | | | ┼╌┼ | | ++ | + | +-+ | | ┨ |
| 167 217 168 218 169 219 220 270 271 271 271 271 271 271 271 271 272 272 273 274 | | | | \dashv | + | + | + | \vdash | \vdash | - | | | + | ++ | | + | + | + | \dashv \mid | - | | ╁ | -+- | + | +- | +-+ | \dashv | ┥ |
| 168 218 169 219 170 220 171 221 172 222 173 223 174 224 | - | | + | + | + | + | + | H | | \dashv | | | + | + | _ | +- | \dashv | + | ┨ | | | \vdash | + | + | | ╁┼┼ | \dashv | ┨ |
| 169 219 269 170 220 270 171 221 271 172 222 272 173 223 273 174 224 274 | \neg | | + | \dashv | 十 | + | T | T | H | \dashv | | | \dashv | + | - | + | 十 | + | 1 | | | $\vdash \vdash$ | + | + | + | | \dashv | 1 |
| 170 220 270 171 221 271 172 222 272 173 223 273 174 224 274 | | | \top | \neg | \top | \top | \top | T | П | | | | 十 | 1-1 | \dashv | \top | \dashv | \top | 1 | | | \sqcap | | + | _ | † † | $\neg \vdash$ | 1 |
| 171 221 271 172 222 272 173 223 273 174 224 274 | | 170 | | | | | \top | | \Box | \neg | | 220 | \top | 1-1 | | | _ | \top | 1. | | | \Box | \top | ++ | \top | 1 1 | | 1 |
| 173 223 273 174 224 274 | | | | | | | | | | | | 221 | 工 | ┰╽ | | | | | | | | \Box | | | | | | 1 |
| 174 224 274 274 | | | | | $oxed{T}$ | $oxed{\Box}$ | | | | ÷. | | | | | | | | |]. | | | | | | | | | 1 |
| | | | Ш | \Box | | $oxed{\Box}$ | | | | \Box | | | | | | | | |] | | | | | П | | | |] |
| | | 174 175 | Ш | | | | | | | _ | | 224 225 | | \Box | | $oxed{\Box}$ | | |] [| | 274 275 | Ш | | \Box | | | |] |
| | | 176 | | | | \perp | | _ | Ш | | | 226 227 | | | L_ | | - 1 | | | | 276 | \vdash | | 1 | | 1 | | |

291

297

196 🗸

197 +

| Index of Claims | | | | | | | | | | | | | | Application No. 09/916,028 | | | | | | | | | | Applicant(s) HARDMAN ET AL. | | | | | | |
|-----------------|----------------|------------------|---------------|----------|----------|----------|----------|--------|--------------|------------|------------|---------------|---------|-----------------------------------|-----------|----------|----------|----------|----------|----------|----------|------------|---------|-----------------------------|---------|----------|--------------|-------------|--------------|-------------|
| | | | | | | | | | | | | | | | Exa | | | | | | | | | Art | | | -\1\ | <u> </u> | ^ | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | Phu | ıng | TI | Ng | uye | n | | | | 26 | 32 | | | | | |
| | | √ Rejected – (Th | | | | | | | | | Throu C | ıgh r ance | | | al) | | N | N | on- | Ele | cted | | A | - · · · · - | | | | | | |
| | | = | Allowed | | | | | ÷ | | Restricted | | | | | | ı | Interf | | fere | nce | | o | | | | | | | | |
| Cla | im | | Date | | | | | | 7 | Claim | | | | | | e | | | 7 | CI | aim | | Date | | | | _ | | 7 | |
| | a | 5 | П | T | Т | | \top | T | | | | a | ιρ | | | | | | | | | <u>m</u> | 5 | | | | | | | 7 |
| L a | Original | 3/30/05 | | | | l | | ١ | | | Final | Original | 3/30/05 | | | | | | | | Final | Original | 3/30/02 | | | ł | | | | |
| - | ŏ | 8 | | | | | - | ł | | | " | ŏ | 8 | | | | | | | | " | ဝ | 8 | | | | | | | |
| | 1 | + | \dashv | \dashv | \dashv | \dashv | \dashv | + | + | ┪ | | 51 | + | | ╅ | ╁ | Н | | \dashv | \dashv | | 101 | + | _ | ╁ | + | | H | \dashv | \dashv |
| | 2 | | | \dashv | ヿ | T | | 7 | \exists | ╗. | | 52 | Π | | \dagger | 1 | П | | 寸 | ┪ | | 102 | П | $\neg \vdash$ | 十 | 1 | † | П | _ | ┨ |
| | 3 | Ш | | | \Box | | | \Box | | | | 53 | | | | | | | | | | 103 | | | | | | \square | | |
| | 4 | Ш | | \dashv | \dashv | _ | | 4 | \downarrow | _ | | 54 | Ш | _ | | | | | | _ | L | 104 | Ш | \perp | | | | \Box | \perp | _ |
| | _5_ | Ш | | _ | 4 | _ | _ | 4 | 4 | _ | | 55 | Ш | | Д., | 1_ | Ш | \Box | _ | _ | <u> </u> | 105 | Ш | | _ | <u> </u> | <u> </u> | \sqcup | 4 | _ |
| _ | _6_ | Ш | | \dashv | \dashv | _ | - | 4 | _ | _ | <u> </u> | 56 | Ш | | | | Ш | | _ | _ | <u> </u> | 106 | Ш | | ┷ | ↓_ | <u> </u> | \sqcup | | _ |
| _ | 7 | Ш | _ | 4 | \dashv | _ | _ | 4 | _ | _ | <u> </u> | 57 | Ш | \perp | \perp | <u> </u> | Ш | \Box | _ | _ | | 107 | Ш | \perp | ↓ | ļ., | _ | \Box | \dashv | _ |
| _ | 8 | Ш | \rightarrow | \dashv | \dashv | | 4 | 4 | | _ | | 58 | Ш | | 4 | ╄ | | _ | _ | _ | <u> </u> | 108 | Ш | _ | Ц_ | <u> </u> | <u> </u> | \sqcup | \perp | _ |
| | 9 | Ш | \dashv | \dashv | \dashv | 4 | | 4 | - | | <u> </u> | 59 | Ш | | +- | ╀ | Ш | | \dashv | _ | | 109 | Ш | _ | + | ╄- | ــــ | $\bot \bot$ | \dashv | 4 |
| 4 | 10 | H | | \dashv | \dashv | _ | | + | 4 | - | <u> </u> | 60 | H | \dashv | +- | ╂ | Щ | \Box | | 4 | <u> </u> | 110 | Ш | | \perp | 1 | ╄- | 11 | \dashv | 4 |
| _ | 11 | Ш | \dashv | - | | - | -+ | + | + | 4 | | 61 | H | | + | _ | Н | \sqcup | \dashv | | <u> </u> | 111 | Ш | \dashv | \bot | 1 | ╁ | ╁╌┤ | - | \dashv |
| | 12 | Н | -+ | | | | + | + | + | \dashv | - | 62 | H | + | - | - | \vdash | | \dashv | - | - | 112 | Ш | | +- | + | | ₩ | \dashv | - |
| _ | 13 | Н | \dashv | \dashv | \dashv | - | | 4 | | | _ | 63 | HH | | - | | | \dashv | \dashv | 4 | | 113 | Ш | | - | - | ļ | \vdash | \dashv | |
| | 14 | H | -+ | \dashv | \dashv | \dashv | + | + | + | | - | 64 | HH | | | ┼ | | | \dashv | | <u> </u> | 114 | Ш | | ┿ | - | ╄ | \sqcup | \dashv | \dashv |
| _ | 15 | Ш | \dashv | \dashv | - | | | + | + | \dashv | - | 65 | H | | | 1 | Н | | _ | _ | <u> </u> | 115 | H | | + | +- | \vdash | ₩ | | \dashv |
| _ | 16 | \square | - | -+ | \dashv | | + | + | + | 4 | - | 66 | # | | | + | Н | | - | - | <u> </u> | 116 | Ш | + | + | 1 | ┼- | ╁╌┥ | \dashv | - |
| - | 17 18 | + | -+ | \dashv | \dashv | \dashv | + | + | + | \dashv | | 67 68 | H | \dashv | | ┼ | \vdash | | | - | <u> </u> | 117 | Ш | - | +- | ┼ | ₩ | ₩ | + | - |
| | 10 | | | | | | | | | | | 69 | 11 | | | 1 | | | | | | 118 119 | Ш | | | | | Ш | L_ | |

149 🗸

150 +

99 🗸

100 +

1

40 N